(New) A method of forming a metal article, comprising:

subjecting a metallic material to upset forging to form the metallic article, the upset forging being conducted at a temperature below a minimum temperature of static recrystallization of the composition of the billet, the upset forging comprising utilization of a lubricant to entirely separate the billet from a forging tool during the forging.

- 6. (New) The method of claim 5 wherein the lubricant is selected from the group consisting of polytetrafluoroethylene and polyurethane.
- 7. (New) The method of claim 5 further comprising forming the metal article into a sputtering target.
- 8. (New) The method of claim 7 wherein the forming the metal article into a sputtering target occurs during the upset forging.
- 9. (New) The method of claim 7 wherein the forming the metal article into a sputtering target comprises further processing of the metal article after the upset forging.
- 10. (New) The method of claim 9 wherein the additional processing comprises recrystallization annealing.

(New) The method of claim 5 wherein the metal article comprises one or more of Al, Ti, Ta, Cu, Nb, Ni, Mo, Au, Ag, Re, and Pt.

- 12. \ (New) The method of claim 5 wherein the metal article comprises Al.
- 13. (New) The method of claim 5 wherein the metal article comprises Ti.
- 14. (New) The method of claim 5 wherein the metal article comprises Ta.
- 15. (New) The method of claim 5 wherein the metal article comprises Cu
- 16. (New) The method of claim 5 wherein the metal article comprises Nb.
- 17. (New) The method of claim of wherein the metal article comprises Ni.
- 18. (New) The method of claim 5 wherein the metal article comprises Mo.
- 19. (New) The method of claim 5 wherein the metal article comprises Au.
- 20. (New) The method of claim & wherein the metal article comprises Ag.
- 21. (New) The method of claim 5 wherein the metal article comprises Re.
- 22. (New) The method of claim 5 wherein the metal article comprises Pt.

(New) A method of forming a metal article comprising at least 99.95 wt.% tantalum and having a surface, comprising:

forming a billet comprising a composition with includes 99.95 wt.% tantalum utilizing upset forging, the upset forging being conducted at a temperature below a minimum temperature of static recrystallization of the composition of the billet, the upset forging comprising utilization of a lubricant to entirely separate the billet from a forging tool during the forging; and

after the upset forging, the billet being a metal article comprising 99.95 wt.% tantalum and having a surface; the surface having a substantially uniform {100} crystallographic texture and an average grain size of less than 50 microns.

- 24. (New) The method of claim 23 wherein the lubricant is selected from the group consisting of polytetrafluoroethylene and polyurethane.
- 25. (New) The method of claim 23 further comprising forming the metal article into a sputtering target.
- 26. (New) The method of claim 25 wherein the forming the metal article into a sputtering target occurs during the upset forging.
- 27. (New) The method of claim 25 wherein the forming the metal article into a sputtering target comprises further processing of the metal article after the upset forging.

- 28. (New) The method of claim 27 wherein the additional processing comprises recrystallization annealing.
- 29. (New) The method of claim 23 wherein the metal article surface comprises a maximum grain size of less than 50 microns.
- 30. (New) The method of claim 23 wherein the metal article comprises a thickness, and arreverage grain size throughout the thickness of less than 50 microns.
- 31. (New) The method of claim 23 wherein the metal article comprises a thickness, and an average grain size throughout the thickness of about 25 microns.